

PATENT	
Docket No. 200/241	-
Box Patent Application	
Commissioner of Patents and Trademarks	
Washington, D.C. 20231	
NEW APPLICATION TRANSMITTAL	
Transmitted herewith for filing is the patent application of	
Inventor(s) Marcus F. Boehm and Richard A. Heyman	
WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).	đ
For (title): COMPOUNDS HAVING SELECTIVE ACTIVITY FOR RETINOID RECEPTORS, AND MEANS FOR MODULATION OF PROCESSES MED BY RETINOID X RECEPTORS.	X I A T E
1. Type of Application	
This new application is for a(n) (check one applicable item below ):	
☐ Original	
Design	
Plant	
WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 3. U.S.C. 371(c)(4) unless the International Application is being filed as a divisional, continuation continuation-in-part application.	
NOTE: If one of the following 3 items apply then complete and attach ADDED PAGES FOR NEW APPLICA TION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICA TION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.	
Divisional	
Continuation	
☐ Continuation-in-part (CIP)	
CERTIFICATION UNDER 37 CFR 1.10	-
I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are bein deposited with the United States Postal Service on this date	е
(Type or print name of person mailing paper)	-
Cleinti A. Schofer	_
(Signature of person mailing paper)	
NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.10(b).	ai

(Application Transmittal [4-1]—page 1 of 7)

Form 4-1, Rel.53-8/92

2. Ben	efit of Prior U.S. Application(s) (35 USC 120)
NOTE:	If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
X	The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
3. Pap ular) or	ers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b) (Reg-37 CFR 1.153 (Design) Application
<u>42</u>	Pages of specification
14	Pages of claims
_1_	Pages of Abstract
_10_	Sheets of drawing
	] formal
. 🛭	👺 informal
WARNII	NG: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filling a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-62).
NOTE:	"Identifying indicia such as the serial number, group and unit, title of the invention, attorney's docket number, inventor's name, number of sheets, etc., not to exceed 29% inches (7.0 cm.) in width may be placed in a centered location between the side edges within three fourths inch (19.1 mm.) of the top edge. Either this marking technique on the front of the drawing or the placement, although not preferred, of this information and the title of the invention on the back of the drawings is acceptable." Proposed 37 CFR 1.84(1). Notice of March 9, 1988 (1090 O.G. 57-62).
4. Add	itional papers enclosed
	Preliminary Amendment
	Information Disclosure Statement (37 CFR 1.98)
	Form PTO-1449
	] Citations
	Declaration of Biological Deposit
	Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
	Authorization of Attorney(s) to Accept and Follow Instructions from Representative
	Special Comments
	Other

(Application Transmittal [4-1]—page 2 of 7)

5. Decla	ratio	n or oath			
	End	losed			
	executed by (check all applicable boxes)				
		inventor(s).			
		legal representative of inventor(s). 37 CFR 1.42 or 1.43			
		joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.			
		this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.			
ZZ.	Not	Enclosed.			
WARNING	inte cas	ere the fling is a completion in the U.S. of an International Application but where a declaration is not sitable or where the completion of the U.S. application contains subject matter in addition to the trnational Application the application may be treated as a continuation or continuation-in-part, as the se may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR i. APPLICATION CLAIMED.			
•	ХСX	Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above named inventor(s). (The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently).			
NOTE: It is	s impo	ortant that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).			
		Showing that the filing is authorized. (Not required unless called into question. 37 CFR 1.4 I(d).			
6. Invent	orsh	p Statement			
WARNING	of	ne named inventors are each not the inventors of all the claims an explanation, including the ownership the various claims at the time the last claimed invention was made, should be submitted.			
The inve	entor	ship for all the claims in this application are:			
Œ	The	same			
		or			
		not the same. An explanation, including the ownership of the various claims at the the last claimed invention was made,			
		is submitted.			
		will be submitted.			
7. Langu	age				
A \$1	verifi 30.00	ication including a signed oath or declaration may be filed in a language other than English.  ed English translation of the non-English language application and the processing fee of prequired by 37 CFR 1.17(k) is required to be filed with the application or within such time be set by the Office. 37 CFR 1.52(d).			
NOTE: A	non-E ' CFR	inglish oath or declaration in the form provided or approved by the PTO need not be translated. 1.69(b).			
128	Eng	ish			
	non-	English			
		the attached translation is a verified translation. 37 CFR 1.52(d).			
(Applicat	ion	Transmittal [4-1]—page 3 of 7)			

o. Assignment					
XXX An as	signment of th	ne invention t	o <u>Ligar</u>	nd Pharmac	ceuticals, I
M	attached. A s ENT) ACCOM 906 is also att	PANYING NE tached.	COVER SHE	EET FOR ASS	IGNMENT (DOCU N" or   FORM PTC
ØX w	ill follow.	•			
NOTE: "If an ass	ignment is subn	nitted with a new	w application,	send two sepai 1, 1990 (1114 O.G	ale letters-one for the
9. Certified Cor			ones or may a	, 1550 (1714 0.0	. <i>11-10</i> j.
Certified copy(	•	ition(s)			
(country)		(apr	oln. no.)		(filed)
(country)		(app	oln. no.)		(filed)
(country)		(app	oln. no.)		(filed)
rom which prior	ty is claimed				
☐ is(are)	attached.				
□ will fo	low.				
	n application form n. 37 CFR 1.55(a)		or the claim fo	r priority must be	referred to in the oath o
U.S. applic 120 is itse	ation or Internation of entitled to prion OR NEW APPLIC	onal Application fi ity from a prior fo	rom which this preign applicat	application claims ion then complete	tty relates. If any paren benefit under 35 U.S.C item 18 on the ADDEL PRIOR U.S. APPLICA
	tion (37 CFR	1.16)			
A.   Regula	ar application				
		CLAIMS A	AS FILED		
Number file	1	Number	Extra	Rate	Basic Fee 37 CFR 1.16(a) \$710.00
Total Claims (37 CFR	I.16(c)) -	·20=	x	\$ 22.00	
ndependent Claims (37 CFR	I.16(b))	-3=	x	\$ 74.00	
Aultiple depende 37 CFR 1.16(d))	nt claim(s), If	any		\$230.00	
□ Amend	ment cancelli	ng extra clair	ns enclose	d.	
☐ Amend	dment deleting	multiple-dep	endencies	enclosed.	
☐ Fee fo	r extra claims	is not being	paid at this	s time.	
	dos outro elaimo		Pair at		
		piration of the tim	n filing they me period set fo	•	ne claims cancelled by Patent and Trademari
	nt, prior to the exp ny notice of fee o	piration of the tim	n filing they me period set for T.16(d).	or response by the	

## ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: "In order for an application to claim the benefit of a prior filed copending national application, the prior application must name as an inventor at least one inventor named in the later filed application and disc manner provided by the first paragraph of 35 U.S.C. 112." 37 CFR 1.78(a).

NOTE: "In addition the prior application must be (1) complete as set forth in § 1.51, or (2) entitled to a filling date as set forth in § 1.53(b) and include the basic filing fee set forth in § 1.16; or (3) entitled to a filling date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(d)." 37 CFR 1.78(a).

## 17. Relate Back-35 U.S.C. 120

NOTE:	"Any application claiming the benefit of a prior filed copending national or international application must contain or be amended to contain in the first sentence of the specification following the title a reference to such prior application identifying it by serial number and filing date or international application number and international filing date and indicating the relationship of the applications." 37 CFR 1.78(a). See also the Notice of April 28, 1987 (1079 O.G. 32 to 46).
	Amend the Specification by inserting before the first line the sentence:
"This	s a
	continuation
K	continuation-in-part
	divisional
of coper	ding application(s) 872,707 April 22, 1992
	serial number 0 / 944.783 filed on September 11, 1992
	and which designated the U.S."
NOTE:	The proper reference to a prior filed PCT application which entered the U.S. national phase is the U.S. serial number and the filing date of the PCT application which designated the U.S.
,,,,,,	(1) Where the application being transmitted adds subject matter to the International Application ther the filing can be as a continuation-in-part or (2) it is desired to do so for other reasons, e.g. where not declaration is available, no English translation is available or no fee is to be paid on filing then the filing can be as a continuation. In these cases the International Application designating the U.S. is treated as the parent case in the U.S. and is an alternative to the completion of the International Application under 5 U.S.C. 371(c)(4) which must meet the requirements of 37 CFR 1.61(a). This alternative permits the completion of the filing requirements within any term set by the PTO under 37 CFR 1.53(d) to which the extension provisions of 37 CFR 1.136(a) apply. (Whereas, if the filing is as an international application entering the U.S. stage then the fee, declaration and/or English translation (where necessary) is due within 20 months of the priority date but can be paid within 22 months of the priority date (or is due within 30 months of the priority date but can be submitted within 32 months of the priority date) with the surcharges set forth in 37 CFR 1.492(e), (f) and 37 CFR 1.495(c); however, the provisions of 37 CFR 1.136 do not apply to this 22 or (32 month) period. 37 CFR 1.61(b).)
NOTE:	The deadline for entering the national phase in the U.S. for an international application was clarified in the Notice of April 28, 1987 (1079 O.G. 32 to 46) as follows:
	"The Patent and Trademark Office considers the International application to be pending until the 22nd month from the priority date if the United States has been designated and no Demand for International Preliminary Examination has been filed prior to the expiration of the 19th month from the priority date and until the 32nd month from the priority date if a Demand for International Preliminary Examination which elected the United States of America has been filed prior to the expiration of the 19th mont from the priority date, provided that a copy of the international application has been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively. If a copy of the international application has not been communicated to the Patent and Trademark Office within the 20 or 3 month period respectively, the international application becomes abandoned as to the United States 2

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(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.1]—page 1 of 4) or 30 months from the priority date respectively. These periods have been placed in the rules as paragraph (h) of § 1.494 and paragraph (i) of § 1.495. A continuing application under 35 U.S.C. 365(c) and 120 may be filed anytime during the pendency of the international application."

## 18. Relate Back—35 U.S.C. 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17, in turn itself claim(s) foreign priority (ies) as follows:

	country	appl. no.	fil	ed on
The ce	rtified copy (ies) has (have)			
	been filed on in filed on in	prior application	0 /	which was
	is (are) attached			
WARNIN	G: The certified copy of the priority at the International Bureau may not lity application in the continuing a application communicated by the U.S. serial number unless the national stage is not entered. Therefithe prosecution of a continuing apily documents from the folders and quired to request transfer, retnever fied copies, enter and make a reconformation of the priority document the national stage may not be relief	be relied on without any application. This is so international Bureau bonal stage is entered, ore such certified copic plication. An alternative d transfer them to the ord of such copies in the ord of such copies in the is in folders of internation.	r need to file because the placed in a Such folder is may not b would be to continuing a table record the Continuing onal applicat	a certified copy of the prior- certified copy of the priority folder and is not assigned a s are disposed of if the na- e available if needed later in physically remove the prior- optication. The resources re- notations, transfer the certi- q Application are substantial. ions which have not entered
9. Mai	ntenance of Copendency of F	Prior Application		
	The PTO finds it useful if a copy of the sponse is filed with the papers constitu- ber 5, 1985 (1060 O.G. 27).			
A. [	Extension of time in prior app	lication		
(This it	em <b>must</b> be completed and the set in the pr	papers filed <b>in the</b> for application has		olication if the period
	A petition, fee and response until	extends the term	in the pe	nding prior application
	A copy of the petition file	ed in prior applicati	on is attac	ched
B	Conditional Petition for Exten	sion of Time in Pri	or Applica	tion
	(complete this item	if previous item no	t applicab	le)
	A conditional petition for exterplication.	ension of time is be	eing filed i	n the pending <b>prior</b> ap-
	A copy of the conditions	I petition filed in th	e prior ap	plication is attached
0. Fu	ther inventorship Statement	Where Benefit of	Prior App	ilication(s) Claimed
NOTE:	"If the continuation, continuation-in-pa named in the prior application a statem tion of the names of the person or per continuation, continuation-in-part, or di with the file wrapper continuation situal	ent must accompany t sons who are not inven visional application.'' 3	he application tors of the in	n when filed requesting dele- evention being claimed in the
NOTE:	"In the case of a continuation-in-par amendment, an oath or declaration as new oath or declaration is required du may be named in the continuing applic	s required by § 1.63 m a to additional subject i	ust be filed. natter being	In those situations where a claimed, additional inventors
	(Added Pages for Application T	ransmittal Where E		Prior U.S. Application(s)

## ADDED PAGE(S) FOR SPECIAL COMMENTS FOR NEW APPLICATION TRANSMITTAL

Added eage

(Added page(s) for Special Comments for New Application Transmittal [4-1])

В.			sign applicatio			
		(ψΔ)	00.00—07 OFF	Filing Fee Calculation	1	\$
C.			nt application 60.00—37 CFF		•	
		(54)	60.00—37 CFF			\$
1.	Sm.	ılı En	tity Statement	Filing fee calculation		<b>3</b>
'.		Ver	•	t(s) that this is a filing	by a small entity	under 37 CFR 1.9 and
		Filir	ng Fee Calcula	tion (50% of <b>A, B</b> or <b>C</b>	above)	\$
NOT				e paid will be refunded if a te of timely payment of a ful		d a refund request are filed
2.	Rec	luest	for Internation	nal-Type Search (37 (	CFR 1.104(d)) (co	mplete, if applicable)
				n international-type sell examination on the n		this application at the
3.	Fee	Payr	nent Being Ma	ide At This Time		
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		Z	•	s to be paid at this tir e) can be paid subseq	•	surcharge required by
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			basic filing fee	•		\$
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			than all the in on behalf of the inventor refus	or filing by other ventors or person the inventor where the to sign or cannot \$130.00; 37 CFR		\$
			a specification	g an application with n in a non-English 30.00; 37 CFR 1.52(d)	and .	\$
				nd retention fee CFR 1.53(d) and 1.21(	1))	
			fee for interna 37 CFR 1.21(	ational-type search rep e)).	ort (\$35.00;	\$
NO	TE:	failing CFR 1. sic filin	to complete the a .53 and 1.78, indic	pplication pursuant to 37 Cl ate that in order to obtain t Id or the processing and rel	FR 1.53(d) and this, a he benefit of a prior U.	tion which is abandoned for swell as the changes to 37 S. application, either the ba must be paid within 1 yea
				Total fees enclosed	i	\$
					•	

(Application Transmittal [4-1]—page 5 of 7)

14. Method of Payment of Fees	
Check in the amount of \$	
Charge Account No duplicate of this transmittal is a	
NOTE: Fees should be itemized in such a manne 1.22(b).	or that it is clear for which purpose the fees are paid. 37 CFR
<ol><li>15. Authorization to Charge Additional</li></ol>	Fees
WARNING: If no fees are to be paid on filing the	
WARNING: Accurately count claims, especially n if extra claim charges are authorized.	nultiple dependent claims, to avoid unexpected high charges,
The Commissioner is hereby a by this paper and during the er	uthorized to charge the following additional fees ntire pendency of this application to Account No.
37 CFR 1.16(a), (f) or (g) (f)	iling fees)
37 CFR 1.16(b), (c) and (d)	(presentation of extra claims)
od set for response by the PTO in any not	tiple dependent claims not paid on filing or on later presenta- ncelled by amendment prior to the expiration of the time peri- tice of fee deficiency (37 CFR 1.16(d)), it might be best not to aim fees, except possibly when dealing with amendments af-
37 CFR 1.16(e) (surcharge on a date later than the filir	e for filing the basic filing fee and/or declaration ng date of the application)
37 CFR 1.17 (application p	rocessing fees)
tion should be made only with the kr	deal with extensions of time under \$ 1.136(a) this authoriza- nowledge that: "Submission of the appropriate extension fee il unless a request or petition for extension is filed." (Empha- 85 (1060 O.G. 27).
37 CFR 1.18 (issue fee at of Allowance, pursuant to 37 cm.)	or before mailing of Notice of CFR 1.311(b))
NOTE: Where an authorization to charge the issue of a Notice of Allowance, the issue fee will of mailing the notice of allowance. 37 CFR	ie fee to a deposit account has been filed before the mailing Il be automatically charged to the deposit account at the time 1.311(b).
filed in the application prior to paying, 37 CFR 1.28(b): (a) notification of change	ny change in loss of entitlement to small entity status must be or at the time of paying, issue fee". From the wording of of status must be made even if the fee is paid as "other than quired if the change is to another small entity.
6. Instructions As To Overpayment	
credit Account No.	
refund	Has. No
Reg. No. 34,874	SIGNATURE OF ATTORNEY
	Hope E. Melville
el. No. (213) 489-1600	Type or print name of attorney Lyon & Lyon
	P.O. Address 611 W. 6th St., Suite 3500
	Los Angeles, CA 90017
	(Application Transmittal [4-1]—page 6 of 7)

<b>K</b> 3	Incorporation by reference of added pages				
		Check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED			
	$\square$	Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s) Claimed			
		Number of pages added1			
		Plus Added Pages For Papers Referred To In Item 4 Above			
		Number of pages added			
		Plus "Assignment Cover Letter Accompanying New Application"			
		Number of pages added			
	State	ment Where No Further Pages Added			
		(If no further pages form a part of this Transmittal then end this Transmittal with this page and check the following item)			
		This transmittal ends with this page.			